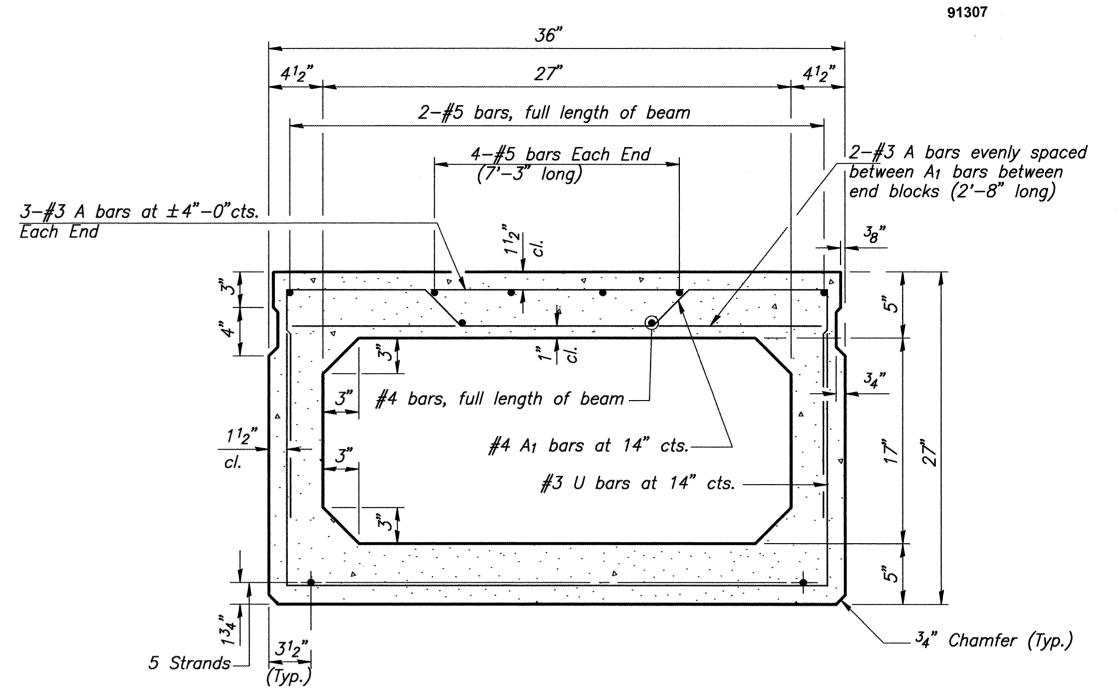


SUPER.DWG

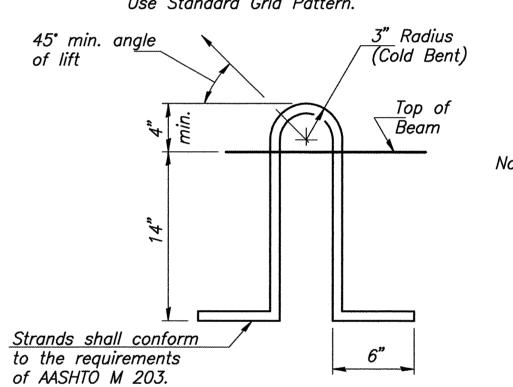
NOTE: Omit key on exterior face of outside beams.

TOTAL SHEET NO. C.H. 5 03-00260-00-BR CLARK ILLINOIS FED. AID PROJECT-FED. ROAD DIST. NO. 7



TYPICAL SECTION THRU BEAM

5 — ½"ø Strands Stressed to 28,900 Lbs. Each Place strands symmetricaly about € of beam. Use Standard Grid Pattern.



The loop shall be formed in a manner such that all strands are engaged during lifting. Loops shall be burned off after beams have been erected.

LIFTING LOOP DETAIL Approved alternate may be substituted for the above.

BILL OF MATERIAL

Unit	Quantity	
Sq. Ft.	1,944	
	Sq. Ft.	

SHEET TITLE SUPERSTRUCTURE—SPANS 1&3	3
SECTION 03-00260-00-BR COUNTY HIGHWAY 5 CLARK COUNTY STATION 10+00	PROJECT NO. 03007 SCALE DATE 10-29-03 DRAWN BY MRL CHECKED BY MCE
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois	DRAWING NO.
Design Firm License No. 184-002703	OF_10SHTS

<u>NOTES</u>

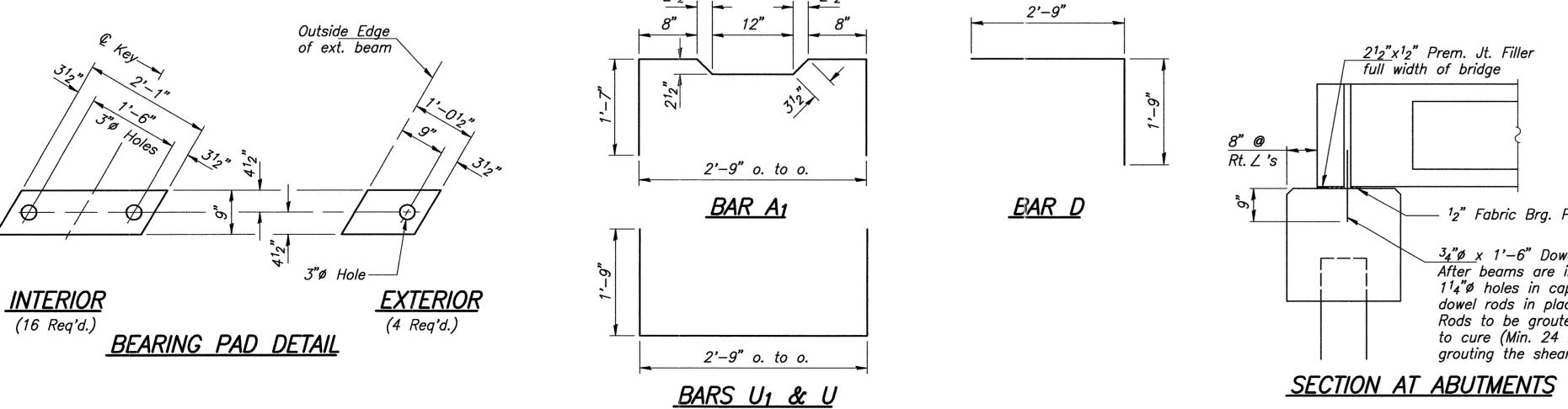
Required release strength, f'ci, shall be 4,000 p.s.i. Prestressing steel shall be non-galvinized high strength, stress-relieved 7-wire strand, Grade 270.

The nominal diameter shall be 12" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 7-wire stress-relieved, $2-\frac{1}{2}$ "\$\varphi = 270 ksi strands. Reinforcement bars shall conform to AASHTO: M 31 or M 322, Grade 60.

The bearing seat surfaces shall be ad—
justed by shimming to assure firm and even
bearing. Two 18" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.

Keyway surfaces shall be cleaned to remove form oil and other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key.

An equal substitution of the low-relaxation strands for the stress-relieved strands will be permitted.



- 1₂" Fabric Brg. Pad 3₄"ø x 1'−6" Dowel Rods After beams are in place drill 1¹4"ø holes in cap & grout dowel rods in place.
Rods to be grouted and allowed to cure (Min. 24 Hrs.) prior to grouting the shear keys.